

## SEE PAGE 2 FOR DETAILS ON ENGINEERS WEEK SPECIAL EVENTS

### 2022 HCES LIFETIME ACHIEVEMENT AWARD

#### JAMES S. KUMAGAI, PH.D., P.E.

James S. Kumagai, Ph.D., PE, is the 2022 Hawaii Council of Engineering Societies (HCES) Lifetime Achievement Award recipient. Jimmy was selected for this prestigious honor for his engineering career of almost 50 years in Hawaii that was always directed to developing resources essential for our modern society, water resources and wastewater treatment.

Jimmy spent 6 years in the US Army after graduating from Lahainaluna High School on Maui, serving in Korea, Japan and Hawaii. He earned his Civil Engineering degree from University of Hawaii at Manoa in 1962 while working as a part-time land survey crew chief for Sunn, Low, Tom and Hara, Inc.(SLTH). He went on to pursue his Master of Science degree in Environmental and Sanitary Engineering at Washington University, St. Louis, in 1965. He received his Ph.D. in Engineering from University of California, Berkeley, in 1969.

Jimmy returned to SLTH as Associate Engineer and Director for their Water Quality Laboratory from 1969-1975. He also became a NAUI certified scuba diver to examine underwater samples. He distinguished himself as Project Director and writer of the Water Quality Plan for Oahu (WQPO), a plan still in use almost 50 years later. The plan called for use of primary treatment in several ocean outfalls instead of secondary treatment called for in the federal Water Quality Act. He was able to justify the use of primary treatment and the plan is still in use today.

Jimmy then entered government service as the Deputy Director for Environmental Programs, Hawaii Department of Health, from 1975 to 1980. He was able to develop the Water Quality Standards called for in

*continued on page 5*



### 2022 YOUNG ENGINEER OF THE YEAR

#### BRANDON UEJO

Brandon Uejo, P.E. was raised in Pearl City on the island of Oahu and is a proud alumnus of Kamehameha Schools-Kapalama Campus. In 2012, he earned his BS in Civil Engineering from the University of Hawaii at Manoa, College of Engineering. Following graduation, he immediately began his engineering career at ParEn, Inc. dba Park Engineering. Brandon obtained his professional engineer's license (PE) in the State of Hawaii in 2017 and is currently a Senior Project Engineer at Park Engineering. He has over 9 years of design experience in the industry working with clients such as the City and County of Honolulu's Department of Design & Construction and Department of Facilities Maintenance, as well as private sector clients such as Castle & Cooke Homes Hawaii, Inc. Brandon's project experience is diverse ranging from the technical design of storm water quality and drainage facilities to site development and utilities to erosion control, as well as roadway design.

Brandon remains active in professional organizations such as the American Society of Civil Engineers (ASCE) Younger Member Forum (YMF) and the Hawaii Water Environment Association (HWEA). He currently serves as Vice President and Wikiiki chair for ASCE-YMF while also serving as the Conference Co-Chair for the annual Pacific Water Conference, held jointly by AWWA-HI Section and HWEA. Brandon previously served as the ASCE-YMF Job Shadow Co-Chair, has chaired the 2019 Western Regional Younger Member Council Awards Committee for ASCE Regions 8 & 9, and has served as the registration committee chairperson for the Pacific Water Conference. In addition to his involvement in professional organizations,

*continued on page 5*



### 2022 HSPE ENGINEER OF THE YEAR

#### EDMUND CHANG

When Edmund Chang, fresh out of Iolani School, decided to pursue mechanical engineering at the University of Hawaii, he saw himself as "just an average guy who was following what other students around me were doing."

But soon after graduating from the Manoa campus, Mr. Chang showed a propensity for independent action that pushed him way beyond the "just average" bracket.

He became a design engineer for the McDonnell Douglas F-15 Fighter in St. Louis, Missouri. Returning to Hawaii a year later, Ed became a project engineer for a Chicago company doing pipeline construction at one of the refineries in Campbell Industrial Park (CIP). He parlayed the job into a 15-year construction assignment with his wife and daughter in 11 different cities on the Mainland and in the Middle East. They returned to Hawaii where Mr. Chang help build the H-Power plant in CIP before making his final move to Hawaiian Electric Company, Inc. (HECO).

Mr. Chang describes his approach to his work as hands-on where he sees a need of doing the job besides reading and studying about it. His 30-plus years at Hawaiian Electric is where his hands-on approach came out with the National Board of Boiler and Pressure Vessel Inspectors (NB) related programs. In 1998 he initiated, developed, organized and refined (IDOR) the NB "R" Certificate program which permits HECO to perform its own welded repairs to its pressure retaining components. A year later he IDOR the NB "OUIO" Certificate program which permits HECO to inspect its pressure retaining components and welded repairs using its own NB Commissioned Inspectors. In 2003, Mr. Chang IDOR the NB "VR"

*continued on page 5*



### 2022 HCES STUDENT ENGINEER OF THE YEAR

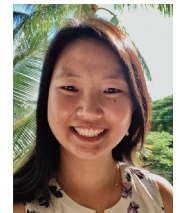
#### PENNY Z.M. LOO

The 2022 HCES SEOY is Ms. Penny Z.M. Loo! With a cumulative GPA of 3.98 and a major GPA of 3.97, Penny just graduated with her BS in Mechanical Engineering this past Fall 2021 semester. She has recently accepted a position and currently working at the Pearl Harbor Naval Shipyard & IMF in the mechanical and fluid engineering division. She was the past President of Pi Tau Sigma (for three semesters) and has also served as the Vice-President, Treasurer, and the ECUH representative. She is a member of the Golden Key, ASHRAE, ASME, SWE, and NSCS (National Society of Collegiate Scholars). She is an extremely proud graduate of Aiea High, Aiea Intermediate, and Pearl Ridge Elementary Schools.

Penny stated that her passion for science and mathematics did NOT occur until well into high school where her interests were with the math & science clubs and wood working, along with playing and competing on the tennis team. Maybe her quick mathematic (geometry) skills played a role in leading her team to the State Championships. With all her interests, she still graduated as the valedictorian and Aiea High School's Most Outstanding Senior. Guess her experiences and lessons-learned in high school paid off as she was also the Outstanding Graduating Senior for Mechanical Engineering in Fall 2021!

Getting to UHM CoE was another adventure... Penny had decided that she would attend UHM if she received a full scholarship. Well, she was given the Chancellor's Scholarship during her university visits in Colorado. It must have been a fantastic trip as she has never regretted all the opportunities and experiences through her involvement in academic and professional clubs, jobs and internships, and all the networking necessary to thrive in the Hawaii

*continued on page 4*





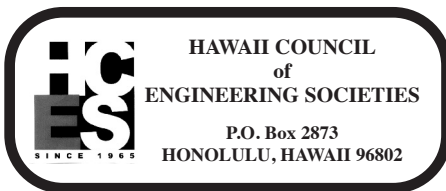
Published monthly by:

HAWAII COUNCIL OF ENGINEERING SOCIETIES

SERVICE PRINTERS, INC.  
1829 Dillingham Boulevard • Honolulu, HI 96819  
Telephone: (808) 841-7644 • Fax: (808) 847-1487  
ADDRESS ARTICLES FOR PUBLICATION TO:  
WARREN YAMAMOTO  
1526-C Pukele Avenue • Honolulu, HI 96816  
Telephone: 732-5216

**WILIKI MAILING LIST**

Additions and/or corrections to the Wiliki mailing list should indicate the proper society, institution or association. Corrections to email addresses should be submitted to your society coordinator.



HOME PAGE: [hceshawaii.org](http://hceshawaii.org)  
EMAIL: [hcesorg@gmail.com](mailto:hcesorg@gmail.com)

**2021-2022 OFFICERS**

Chair:	Roger Babcock	
Vice-Chair:	Jay Stone	
Secretary:	Open	
Treasurer:	Kristen Yoshida	
<b>SOC</b>	<b>Representative</b>	<b>Alternate</b>
AACE	J. Uno	
ACECH	M. Adolpho	
APWA	R. Char	
ASCE	E. Arakawa	
ASHRAE	D. Kishi	S. Nakamura
ASME	A. Siu Ho	D. Sato
EAH	S. Gillie	
FALEA	M. Stevenson	
HSPE	M. Kamaka	K. Kunemine
HWEA	R. Babcock	
IEEE	G. Torigoe	
ITE	W. Yamamoto	
SAME	L. Wong	
SEAOH	K. Hashimoto	
SFPE	S. Dannaway	
SWE	K. Yoshida	
UHM CoE	S.K. Choi	



**Hawaii Section 2021-2022 OFFICERS**

[www.aacehawaii.com](http://www.aacehawaii.com)

President	William Sparks
Vice President	Christopher Baze
Secretary	Mario Flores
Treasurer	Jeanette Roberts
Dir. Soc. Med.	Yong Shi
Past President	Christopher Kanae

AACE Hawaii will hold a virtual presentation by Aaron Rauchhorst, NAVFAC Hawaii, with the title of Current Topics of NAVFAC Construction Schedule Management. Mr. Rauchhorst will present a look across the NAVFAC Hawaii landscape of construction projects to discuss

**SCHEDULE OF HAWAII ENGINEERS WEEK VIRTUAL EVENTS**

Engineers Week is being observed February 20-26, 2022, the week of President Washington's birthday. Virtual events are replacing the traditional Kick-off Luncheon and Anniversary Banquet.

**EWEEK KICK-OFF EXHIBIT**

Monday, February 21, 10am to 2 pm. Public outreach event at Windward Mall Center Court. HCES welcomes you to help showcase science, engineering, math and technology by hosting an information table. Professional societies, government agencies and engineering-related companies are encouraged to reserve a table. Contact Kristen Yoshida ([kyoshida@bowersandkubota.com](mailto:kyoshida@bowersandkubota.com)) or Donna Kishi ([dkishi@norman-wright.com](mailto:dkishi@norman-wright.com)) for more information.

**KICK-OFF EVENT**

Tuesday, February 22, 12 noon to 1:00 pm, virtual MS Teams meeting.

Sponsored by the Society of Military Engineers and the Hawaii Council of Engineering Societies.

Speaker: Rear Admiral Dean Vanderlay; Commander, Naval Facilities Engineering Systems Command; Pacific/Director, Fleet Civil Engineer, U.S. Pacific Fleet; Fleet Civil Engineer, N46, U.S. Pacific Fleet. Presentation: Shipyard Infrastructure Optimization Plan. To register: <https://tinyurl.com/HCESKickoff22>.

**ENGINEERING CAREER EXPO**

UH College of Engineering Spring 2022 Career Expo

Online edition: Wednesday, February 23, 2022 9:00am - 12:00pm, online via virtual platform

Campus edition: Thursday, February 24, 2022

1:00 to 4:00 pm, at the Campus Center Ballroom

To register: <https://www.eng.hawaii.edu/allevnts/>

Contact: Kimberly Perez Hults <[hults@hawaii.edu](mailto:hults@hawaii.edu)>

**AWARDS EVENT**

Friday, February 25, 12 noon to 1:00 pm, virtual meeting.

Sponsored by the Hawaii Council of Engineering Societies.

Annual Engineers Awards:

2022 Engineer of the Year, Edmund Chang

2022 Young Engineer of the Year, Brandon Uejo

2022 Student Engineer of the Year, Penny Z.M. Loo

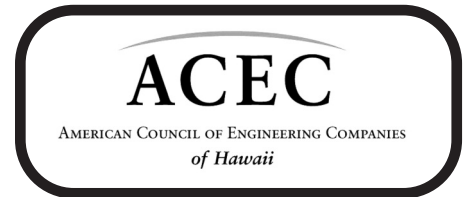
2022 Life Time Achievement Award, James S. Kumagai, PhD

Speaker: Scott K. Saiki, Speaker of the House.

Topic: Scoop on the 2022 Legislature. To register: <https://tinyurl.com/HCESAwards22>.

current schedule management topics. Identification of what's working to build and maintain credible schedules on projects as well as room for improvement of prospective view of NAVFAC schedule management. The presentation date and link will be posted in AACE Hawaii website [www.aacehawaii.com](http://www.aacehawaii.com).

The local section, AACE Hawaii, was originally established in 1973. It achieved both the Platinum and Gold Award for seven consecutive years 2014-2021. Our local area continues to achieve CCP, CEP, CST and PSP certifications. For more information, please visit <http://web.aacei.org/certification> and our local website [www.aacehawaii.com](http://www.aacehawaii.com).



**ACEC Hawaii**

Website: [www.aacehawaii.org](http://www.aacehawaii.org)

**2021-2022 Board of Directors**

President:	Derek Mukai Community Planning & Engineering, Inc.
Pres.-Elect:	Nimr Tamimi Engineering Partners, Inc.
Treasurer:	Kyle Kaneshiro The Limtiaco Consulting Group
Secretary:	Shannon Holman Orion Engineers & Associates
Nat'l Dir.:	Sean Sugai Ronald N.S. Ho & Associates, Inc.
Past Pres:	Garret Masuda InSynergy Engineering, Inc.
Directors:	Michele Adolpho ECS, Inc. Ross Kaneko Jacobs Charles Jury Okahara and Associates, Inc.
Exec. Dir.:	Ginny Wright

**ACECH Liaison Committees**

Much of the work ACECH does is accomplished through volunteer committee participation. We would like to recognize the individuals below who are serving as ACECH Committee Chairs. If you would like to join a committee, please contact Ginny Wright at [gwright@acechhawaii.org](mailto:gwright@acechhawaii.org).

**Committee Chairs 2021-2022**

**Army Corps of Engineers** – Martin Nakasone, AECOM

**Board of Water Supply** – Brian Sekiguchi, Ronald N.S. Ho & Associates, Inc.

**City and County of Honolulu** – Dean Nakano, Brown and Caldwell

**County of Hawaii** – Bruce Meyers, Okahara & Associates, Inc.

**County of Kauai** – Scott Kunioka, Akinaka & Associates, Ltd.

**County of Maui** – Garrett Tokuoka, Austin Tsutsumi & Associates, Inc.

**Dept. of Accounting & General Services/Dept. of Education** – Stacey Miyamoto, SSFM International, Inc.

**Dept. of Transportation** – Brian Bowers, Bowers + Kubota

**Education** – Eric Arakawa, The Limtiaco Consulting Group

**EEA Banquet** – Carly Kaneko, Austin, Tsutsumi & Associates, Inc.; DeAnna Hayashi, Austin Tsutsumi & Associates, Inc.

**Emerging Leaders** – George Takase, Ronald N.S. Ho & Associates, Inc.; Simone Simbeck, Hart Crowser, A division of Haley & Aldrich, Inc.

**Legislative** – Charles Jury, Okahara & Associates, Inc.

**Membership** – Jon Nishimura, Fukunaga & Associates, Inc.

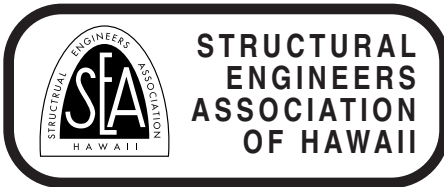
**NAVFAC** – Robin Lim, Geolabs

**Membership** – Jon Nishimura, Fukunaga & Associates, Inc.

**Public Relations/Events** – Kim Castillo, Bowers + Kubota

**Risk Management** – Kyle Kaneshiro, The Limtiaco Consulting Group

**Symposium** – Shannon Holman, Orion Engineers & Associates



PO BOX 3348, HONOLULU, HI 96801  
Web Page URL <http://www.seaoh.org>

## 2022 BOARD OF DIRECTORS OFFICERS AND DIRECTORS

President	Craig Meierhoffer <a href="mailto:cmeierhoffer@baseengr.com">cmeierhoffer@baseengr.com</a>
Vice President	Michael Greer <a href="mailto:mgreer@wje.com">mgreer@wje.com</a>
Secretary	Kevin Galvez <a href="mailto:kgalvez@baseengr.com">kgalvez@baseengr.com</a>
Treasurer	Corey Yamashiro <a href="mailto:corey.h.yamashiro@usace.army.mil">corey.h.yamashiro@usace.army.mil</a>
Director (Yr 2)	Will Wong <a href="mailto:wwong@gpmp.com">wwong@gpmp.com</a>
Director (Yr 2)	Justin Matoi <a href="mailto:jmatoiwje.com">jmatoiwje.com</a>
Director (Yr 1)	Channey Wada <a href="mailto:wada.channey@gmail.com">wada.channey@gmail.com</a>
Director (Yr 1)	Erik Christensen <a href="mailto:Christensen.erik@us.sika.com">Christensen.erik@us.sika.com</a>
Past President	John Uno <a href="mailto:juno@mkellc.com">juno@mkellc.com</a>

## General Membership Meetings/Technical Seminars/Events

For all events see [seaoh.org](http://seaoh.org) or look for email flyer for registration.

- Engineers Week – February 21, 2022, Windward Mall. SEAHO will set up its interactive shake table. Please come by the event and witness how ground motions caused by earthquakes can affect structures.

## 2022 SEAHO Board of Directors

Congratulations to the 2022 Board of Directors! Information on the Installation Banquet will be sent via email distribution.

## SEAHO Annual Scholarship Golf Tournament

The Annual Scholarship Golf Tournament is scheduled for February 11, 2022. Updates will be provided to the membership via email.

## Education Committee

We are currently looking for an individual to serve as Education Committee Chair. If interested, please contact a current board member for more information.

## HCES Committee

Engineers Week is scheduled for February 20 thru 26, 2022. See HCES website for schedule of events.

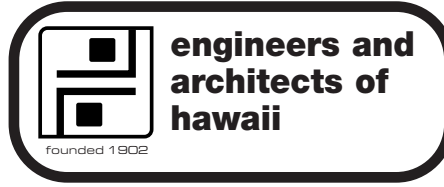
## Membership Committee

Clayton Hayes application for MEMBER approved in January Board Meeting.

## 2021 SEAHO Scholarship Golf Tournament

Congratulations to the following student scholarship winners for 2021:

- Allena Novio – University of Hawaii, Manoa
  - Reyna Iwamoto – Long Island University, Brooklyn
  - Kasey Fujioka – California State Polytechnic University
  - Carson Cudiamat – University Southern California
  - Kate Li – University Southern California
- Next Meeting on Wednesday, February 2, 2022. For information, contact SEAHO President Craig Meierhoffer at [cmeierhoffer@baseengr.com](mailto:cmeierhoffer@baseengr.com)



PO. Box 1901, Honolulu, HI 96805-1901  
An association for Hawaii's Engineers and Architects

WEB address: [www.eahawaii.org](http://www.eahawaii.org)

## EAAH 2021 Officers

President	Phil Blackman	282-7948
1st V. P.	Canaan Shon	845-3900
Treasurer	Aaron Erickson	591-2728
Secretary	Sam Gillie	
Director	Martin McMorrow	256-4713
Director	George Coates	234-5659
Director	Howard Wiig	587-3811
Director	Joe Feind	
Director	Dave Martin	543-4504

EAAH is currently only having Zoom Meetings until further notice.

Regular meetings are held 2 times per month on Fridays. Meetings start at NOON and have ended PROMPTLY at 1:00pm for over 110 Years.

Members, guests, and the Public are welcome to join EAAH meetings. Email [eahawaii@gmail.com](mailto:eahawaii@gmail.com) to get the Zoom meeting links.

## February Programs

See EAAH Website [eahawaii.org](http://eahawaii.org)

## Friday February 4th

**Speaker: Bob Sigall, Eminent Speaker, Historian and Man For All Seasons**

**Topic: "The World As Seen From the Rearview Mirror"**

This is the eAAH premier meeting with live people and lunch at the TOpa Building. Our speaker, Bob Sigall has spoken to us often before, always with engaging, entertaining, and humorous presentations. Today he will again share with us the wisdom he has gained looking back at what the moving finger has writ.

## Friday February 18th

**Speaker: Hans K Van Tilburg PhD, Maritime Heritage Coordinator Pacific Islands Region, NOAA Office of National Marine Sanctuaries**

**Topic: "Falls of Clyde and the History of Scottish Shipbuilding"**

Once again eAAH is lucky to have marine archaeologist and underwater explorer Hans Van Tilburg bring us the exciting and challenging world of seafaring. On this occasion we will hear the history of iron ships and men of steel that sailed them. One of those ships, the Falls of Clyde rests in our own harbor and is part of the story to be told.

EAAH hosted the below meetings in January

## Friday January 7th

**Speaker: Jacob Shon, Teacher at Hilo High School**

**Topic: "Cyber Security: Digital Security for the average person"**

Jacob's presentation looked into cyber protection for the average person in everyday life. He spoke about some events that have been happening that the average person overlooks and might not realize is happening to them in that instant.

**This year EAAH is hosting past meetings on Olelo Channel 53.** The 30 Minute Programs premieres on the 2nd Wednesday of the month at 6:00 pm and will replay on Sunday's at 1:00pm until the new premier on the following month. Visit the EAAH Website for Olelo's On-line

Links to these Programs: **Restoring Lehua Island; China Clipper Inaugural Passenger Flight 1936; Haiku Stairs History; Subterranean Robot Challenge; 52 Years Years of Architecture – Geoffrey Paterson; Dan Eckert Photographer -Topic Hyperlapse; Ala Wai Ahupua'a – 5 Step Solution; A Heritage of Ruins – Dr. William Chapman; Save Historic Haiku Stairs.**



[www.asme-hi.com](http://www.asme-hi.com)

## ASME-HI 2021-2022 Officers

Chairperson	Derek Sato <a href="mailto:derek.sato@hawaiianelectric.com">derek.sato@hawaiianelectric.com</a>
Vice-Chair	vacant
Secretary	Raymond Liu
Treasurer	Kevin Dang <a href="mailto:dangk001@hawaii.rr.com">dangk001@hawaii.rr.com</a>

## ASME-HAWAII GENERAL MEMBERSHIP MEETING

Date: February 18, 2022

Agenda: TBA

Time: 5:00 pm

As usual, all members, students and guests are invited and encouraged to attend our Zoom Conference Call meetings. Please contact Derek Sato for the link.

## GENERAL MEMBERSHIP MEETING January 14, 2022

Our January Zoom Virtual meeting was held January 14, 2022 starting 5:05 PM (HST). Meeting was attended by six members and conducted by Chairperson Derek Sato with the following discussed:

- UHM DME Report by Dr. Woochul Lee: The first two weeks of spring semester class may be in-person or remote. Dr. Lee is planning for panels of industry representatives for students to ask questions on careers. These events are planned for two Fridays from 1:30 -2:20 PM. In-person sessions are preferred, but virtual sessions may be necessary due to COVID-19. Dr. Lee is seeking volunteers to speak on their careers.
- The Fall 2021 Francis R. Montgomery Design Competition (FRMDC) was held on December 10, 2021. Competition results will be featured in the March 2022 Wiliki. Derek Sato reported that mugs with laser engraved ASME logo were presented to the judges.
- 2022 Engineer of the Year: ASME-HI was successful with their nomination. ASME member Ed Chang was named the 2022 Engineer of the year. Chairperson Sato led this effort.
- Tours discussion: ASME National is not allowing sections to hold tours due to COVID-19. Derek Sato will be attending the next ASME Northwest Region leadership virtual meeting on January 19 to see if there are any changes to the COVID-19 rules.
- The Hawaii Section welcomed Justin Souza. Justin works at DAGS – Public Works Division, Project Management Branch. He is a graduate of Kamehameha Schools and UC Santa Barbara. He is registered in Hawaii and California. Before returning to Hawaii in 2018, Justin worked in aerospace industry and for pump manufacturer. He is experienced in 3D CAD and CFD.





### 2021-2022 ASCE Hawaii Section Officers

President: Clifford Lum, P.E.  
email: [clum@ascehawaii.org](mailto:clum@ascehawaii.org)  
 Pres.-Elect: Reyn Hashiro, P.E.  
email: [rhashiro@ascehawaii.org](mailto:rhashiro@ascehawaii.org)  
 Vice Pres.: Eric Tomishima, P.E.  
email: [etomishima@ascehawaii.org](mailto:etomishima@ascehawaii.org)  
 Treasurer: Sheila Uyeoka, P.E.  
email: [suyeoka@ascehawaii.org](mailto:suyeoka@ascehawaii.org)  
 Secretary: Steven Doo, P.E.  
Email: [sdoo@ascehawaii.org](mailto:sdoo@ascehawaii.org)  
 Past Pres.: Dayna Nemoto-Shima, P.E.  
email: [dnemoto@ascehawaii.org](mailto:dnemoto@ascehawaii.org)  
 YMF Pres.: Claire Fukuoka, P.E.  
email: [president.ascehawaiiymf@gmail.com](mailto:president.ascehawaiiymf@gmail.com)

### EXECUTIVE COMMITTEE MEETING

Last held: January 5, 2022

Next meeting: February 8, 2022

### ASCE HAWAII SECTION DINNER MEETINGS

The continued health and safety of our membership is our top priority, and we will continue to monitor the COVID-19 pandemic. Future in-person ASCE Hawaii Section events, including our section dinner meetings, are still temporarily on hold. Zoom meetings will be scheduled in lieu of in-person meetings, date and time TBD. We will keep you informed via e-blasts and/or notices posted on our website at [ascehawaii.org](http://ascehawaii.org) when they will be scheduled. Please continue to stay safe, watch out for each other, especially our kupuna, and continue to be vigilant about best health practices.

MARCH MEETING – Watch for an e-blast with information and a link to register for our next meeting.

Cost: None (RSVP via Eventbrite)

### ASCE's COVID-19 RESOURCES PAGE

<https://collaborate.asce.org/covid-19/home>

Reminder that ASCE has launched a COVID-19 resources page with online tools and tips in one convenient place. The page includes links to free programs, training, and resources, the results of COVID-19 industry impact surveys, and relevant online discussions with fellow members. The page also offers several ways to work more effectively while at home and activities to take advantage of in the down time you may have – even fun things to do with the keiki! And don't forget that all members have 10 free PDHs! Now may be a good time to catch up on some of those technical on-demand webinars.

### COMMITTEE POSITIONS

ASCE Hawaii is looking for volunteers for various committee positions, including History and Heritage Chairperson, Advocacy Captain, Report Card Committee Members, and Water Resources Chairperson. If you are interested or have questions on any of these positions, please contact President Cliff Lum, [clum@ascehawaii.org](mailto:clum@ascehawaii.org).

### MEMBERSHIP

If you haven't already done so, please renew your ASCE membership, which includes 10 free PDHs. You can renew your membership at [www.asce.org](http://www.asce.org).

### ASCE HAWAII SECTION STUDENT SCHOLARSHIPS

Please help us increase our scholarship endowment so that we can recognize deserving students. We continue to accept tax-deductible donations with the goal of increasing the annual scholarships. Make your check payable to 'ASCE Hawaii Section' and include the note 'Walter Lum Scholarship Fund' and mail to: ASCE Hawaii Section, P.O. Box 917, Honolulu, HI 96808-0917. If you have any questions, please contact Sheila Uyeoka at [suyeoka@ascehawaii.org](mailto:suyeoka@ascehawaii.org).

### ASCE GOLF TOURNAMENT

Save the date for this year's tournament, currently planned to be on Friday, Aug 5, 2022.

### ASCE JOB LISTINGS

The following job listings are currently posted on the ASCE Hawaii Section website:

- **AECOM** (Civil Engineers II)
  - **City and County of Honolulu** (Civil Engineer III, IV, V, Civil Engineer V (Geotechnical), & Electrical Engineer V)
  - **Gray Hong Nojima & Associates, Inc.** (Junior Civil Engineer)
  - **G70** (Civil Designer, Civil Engineer, Civil Project Manager, Construction Manager)
  - **HDR** (Hawaii/Pacific Transportation Business Group Manager, Senior Civil Engineer, Project Manager, Civil Project Engineer)
  - **Hawaii Housing Finance and Development Corporation** (Section Chief)
  - **Kennedy/Jenks Consultants** (Project Manager, Honolulu Staff Engineer, Hawaii Staff Engineer)
  - **Nagamine Okawa Engineers Inc.** (Structural Engineer)
  - **R.M Towill Corporation** (Assistant Engineer I, Assistant Engineer II, Civil Design Engineer, Design Visualizer 3D Modeler)
  - **SSFm** (Civil Engineer V, Structural Engineer IV)
  - **Stantec** (Account Manager/Engineer-Water)
- For further information, please visit <http://www.ascehawaii.org/job-listings.html>.

### 2022 HCES STUDENT ENGINEER OF THE YEAR, from Page 1

engineering industry and community at UHM – absolutely proud to be a UHM CoE alum!!!

Even with all the academic, sports, and society accolades, Penny is humble and recognizes the importance of 'giving back'. She has consistently and continuously been involved with tutoring through her involvement with student chapters of the professional and honor societies and working as a grader for fundamental engineering courses. She is always excited to discuss her involvement in research 1) with the Diamond Bakery Manufacturing Innovations in enhancing the automation process lines to reduce product and material wastes; 2) as a microfluid research assistant at UH to determine surface tension of various concentrations of surfactants and analyzing the interaction between different surfactants to view the dynamical effects under the UHM Undergraduate Research Opportunities Program; and 3) as Coalition and Tactical Awareness intern at the Naval Research Laboratory (NRL) in Washington DC, and operated, programmed, and collected data from the ground station and antenna while ruggedizing the ground station for deployment. Penny was most satisfied with her contribution to the US Marine Corps during her internship at NRL; thus, contributing to her employment decision as PHNSY & IMP.

This humble, dedicated, disciplined, and patriotic student, and now a mechanical engineer, is the type of graduate necessary to promote and inspire engineering to the youth of Hawaii!



### 2021-2022 YMF Officers

Claire Fukuoka, President  
[president.ascehawaiiymf@gmail.com](mailto:president.ascehawaiiymf@gmail.com)  
 Brandon Uejo, Vice President  
[vicepresident.ascehawaiiymf@gmail.com](mailto:vicepresident.ascehawaiiymf@gmail.com)  
 Lance Lam, Treasurer  
[treasurer.ascehawaiiymf@gmail.com](mailto:treasurer.ascehawaiiymf@gmail.com)  
 Rebecca Pitts, Secretary  
[secretary.ascehawaiiymf@gmail.com](mailto:secretary.ascehawaiiymf@gmail.com)  
 Carly Kaneko, Past President  
[pastpresident.ascehawaiiymf@gmail.com](mailto:pastpresident.ascehawaiiymf@gmail.com)

### 2022 PE Exam Update

The PE Exam will be computer-based with appointments available year-round at Pearson VUE test centers beginning April 1, 2022. Registration for the 2022 test sessions are open as of November 1, 2021.

Information about how to register for the exam and purchase study materials can be found on the YMF website:

<https://ascehawaiiymf.org/pe-exam-information>

### Online PE Refresher Course

The Hawaii YMF has partnered with Pathceed, an online PE Exam refresher course that covers the breadth portion of the civil engineering exam. This course features 12-hours of on-demand course materials that may be accessed for a 6-month period, and a one-time free access should you not pass the exam. Curious but want a sample of the course? There's a free 1-hour lesson you can check-out before committing to the program!

Cost of the course is \$289 and we are offering ASCE Hawaii YMF members a \$40 discount when registering. If interested in signing up for this course, please contact Nicole at [ymf808.pecourse@gmail.com](mailto:ymf808.pecourse@gmail.com) for more information.

### Honolulu Zoo Christmas with the Animals

On Sunday, December 12, 2021, 7 volunteers from the Hawaii Section YMF helped prepare Christmas presents for the animals at the Honolulu Zoo. After getting an introduction the volunteers got to watch the cheetahs open and play with their gifts. After that the volunteers wrapped and painted cardboard boxes so the gifts for other animals could be placed and given out to the other animals later. Thank you to everyone that came out and to the Honolulu Zoo for coordinating this event with YMF.

### YMF Committee Chair Holiday Social

On Thursday, December 16, 2021, the YMF Committee Chairs got together virtually on Zoom for a Holiday social. Committee Chair members played a few games and got to network with each other on the virtual platform. We all miss seeing each other in-person, but it was a nice way to connect with other Committee Chairs to support them throughout the next fiscal year.

### January 2022 YMF General Membership Meeting

On Wednesday, January 12, 2022, the YMF hosted its first general meeting of the 2022 year virtually on Zoom. The 33 members in attendance enjoyed greeting each other in the new year, socializing in breakout rooms, and playing a fun telephone pictiary game after the meeting. Stay tuned for more upcoming events from the YMF!

**2022 HSPE ENGINEER OF THE YEAR, from Page 1**

Certificate program which permits HECO to repair its own pressure relief valves (PRV).

With the "R" program came the need for ASME, NBIC, and Hawaii Boiler Law codes training, upgrading the welding program, initiating an NDE program and postweld heat treatment program. Mr. Chang created and conducts the training courses for all these programs, followed with nondestructive examination (NDE) and PRV training.

During the above initiating, developing, organizing and refining period he was still able to earn his NB "OUJO" Commission to perform inspections, the American Welding Society (AWS) Certified Welding Inspector Certificate, and the AWS Certified Radiographic Interpreter Certificate. He was also able to author and present several technical papers.

Mr. Chang is as active a volunteer as he was on the job. He is a Life Member of ASME having joined soon after graduating. He has been active in the Hawaii Section since returning to the islands in 1988. He served as section chair 1993-1994. Unlike many other section members after serving their term as Section Chair, Ed continued being active in the Hawaii Section to this day.

As an ASME-HI member he has been active in HSPE's MATHCOUNTS Steering Committee since 1989. He is proud to say he is the second longest participating Steering Committee member. He served for many years on the Department of Mechanical Engineering (DME) at UHM Industry Advisory Board under Dr. Mehrdad N. G. Nejjad.

Ed currently is the ASME-HI webmaster having started the website many years ago and is the ASME-HI Wiliki article contributor with the personal goal of always having an ASME-HI article each month in the Wiliki O Hawaii. He continues to be involved with the Francis R. Montgomery Design Competition to keep close ties with the DME, including professors and students. After 30-plus years with ASME-HI the list of activities goes on and on.

Ed also had time for Hawaii Council of Engineering Societies (HCES) activities serving as Secretary (1994), Vice Chair (1995) and Chair (1996). These were the days when the banquet program was mainly entertainment featuring ghost stories, Barbershop Quartets, etc.

Outside of ASME-HI, Ed is one of the founders of the American Society for Nondestructive Testing-Hawaii Section. He currently serves as Section Secretary. He remains active in the Oo Syak Gee Lu Society, an ancestral social

organization, having been president and now an honorary director, an honor given to special contributing members only.

In 2010, Mr. Chang was given the title Consulting Engineer-Boilers, Piping, Welding and NDE, at Hawaiian Electric Company, Inc.

**2022 HCES LIFETIME ACHIEVEMENT AWARD, from Page 1**

the WQPO in this position.

Jimmy returned to SLTH, now named M&E Pacific, Inc.(M&E), as Vice President and Project Director. He also served as the Chairman of the Democratic Party of Hawaii from 1980-1986. He became Senior Vice President of M&E from 1992-1993. Jimmy became a sole proprietor Consultant Engineer from 1993-1998.

Jimmy worked for the Queen's Medical Center as Vice President for Facilities Planning and Management from 1998 to 2006. The medical center was in need of major repairs and modernization. He was asked to step down from the Board of Directors so he could work on the project. He started the project by getting buy-in from the medical, operational and administrative staffs so that project ownership was shared top to bottom. Such inclusive decision making is the key to successful projects, and the hospital modernization project was completed before deadline and below budget.

Jimmy completed his professional career by serving as a consultant to AECOM (renamed from M&E) from 2006 to 2012.

Seven (7) distinguished local engineers/scientists in the practice submitted letters of nomination. They noted some of Jimmy's outstanding characteristics:

1) Jimmy possessed exceptional technical knowledge and engineering aptitude. He was able to match technical solutions to problems and get results.

2) Jimmy had success mentoring good engineers and leadership in those working for him. Many of Hawaii's top engineers in these fields were mentored by him.

3) Jimmy was a visionary in providing innovative solutions to problems. Many of his solutions are still in use today.

Jimmy was also active in community service, being affiliated with many professional and community service organizations. Professional affiliations include American Society of Civil Engineers, Water Environment Federation (Past President of Hawaii Association), American Water Works Association (past Chairman of Hawaii Chapter), and American Society for

Healthcare Engineering.

Jimmy's community service links included The Queen's Health Systems, Hawaii Health Foundation (Chair of the Board), Ke Ola O Hawaii, Inc. (Director and Treasurer), University Health Care Associates, and Democratic Party of Hawaii (Chairman).

We wish Jimmy a healthy and prosperous retirement life for all he has done for Hawaii.

**2022 YOUNG ENGINEER OF THE YEAR, from Page 1**

Brandon has been active in the community. He served as a Junior Varsity soccer coach for his alma mater, Kamehameha Schools, and has volunteered for numerous community service activities for organizations such as the Hawaii Food Bank, Girl Scouts, MATHCOUNTS, and AYSO.



**2021-2022 Officers:**

- President: Jasmine Teramae-Kaehuaea  
*jkaehuaea@atahawaii.com*
- Vice Pres.: Keoni Wasano  
*keoni@goldwings-supply.com*
- Sec/Treas: Mike Motoki  
C&C of Honolulu, DTS

In January, the ITE Hawaii Section held a virtual speaker meeting on January 26th, 2022. We heard from Chris Clark who is the Chief Planner for the City and County of Honolulu Department of Transportation Services. Chris's presentation focused on the City's updated Right-of-Way Widths for Planned Street Improvements project, which ensures our streets can continue to sustainably accommodate and balance the needs of all users. This presentation introduced the City's Street Types assignments based on the character, context, function, and long-term goals for all streets on Oahu.

If you would like to be added to the ITE mailing list, please email Mike Motoki at *michael.motoki@honolulu.gov*.

**ACECH, from Page 2**

**University of Hawaii – Ryo Nakamoto, Jacobs Wastewater Engineering and Construction Committee – Cari Ishida, Carollo Engineers**

**Professional Directory**

<p><b>SHIMABUKURO, ENDO &amp; YOSHIZAKI, INC.</b> Civil, Environmental &amp; Structural Engineers 1126 12th Avenue, #309 Honolulu, Hawaii 96816-3715 Phone: (808) 737-1875 Fax: (808) 734-5516 Email: seyeng@seyeng.com</p>	<p><b>Tim Waite, P.E.</b> Sr. Territory Manager Mobile: 808-479-1216 Email: <i>twaitestrongtie.com</i> <b>Simpson Strong-Tie Co., Inc.</b></p>	<p><b>SSFM</b> INTERNATIONAL www.ssfm.com</p>	<p><b>WPT</b> WALTER P. THOMPSON, INC. SURVEYING &amp; MAPPING 720 IWILEI ROAD SUITE 425 P.O. Box 3351 HONOLULU, HI 96801 PHONE: (808) 536-2705 FAX: (808) 599-4032</p>
<p><b>R. M. TOWILL CORPORATION</b> SINCE 1930 Civil Engineering   Wastewater Engineering   Surveying &amp; Mapping Planning   Construction Management   Project Management Contact: 808.842.1133 <i>rmtowill@rmtowill.com</i> <i>www.rmtowill.com</i></p>	<p><b>KAI HAWAII</b> STRUCTURAL &amp; FORENSIC ENGINEERS 50 S. Beretania Street, #C-119C • Honolulu, HI 96813</p>	<p><b>JUNO &amp; ASSOCIATES</b> CONSTRUCTION COST CONSULTANTS 1210 Ward Avenue, Suite 204 Honolulu, Hawaii 96814 Phone: (808) 947-6855 <i>info@juno-associates.com</i></p>	<p><b>WALKER INDUSTRIES, LTD.</b> Precast Concrete Products <b>CONSPAN</b> BRIDGE SYSTEMS Frederick K. Wong, PE P.O. Box 1568 Kahului, Maui, Hawaii 96732 Maui (808) 877-3430 Fax (808) 871-7282</p>
<p><b>WILSON OKAMOTO CORPORATION</b> INNOVATORS • PLANNERS • ENGINEERS www.wilsonokamoto.com</p>	<p><b>WJE</b> 808.591.2728 www.wje.com Engineers   Architects   Materials Scientists Serving Hawaii and the Pacific Since 1979</p>	<p><b>WSP</b> Question the ordinary Imagine the extraordinary Create the enduring <i>honolulu@wsp.com</i> <i>wsp.com/june</i> 808-536-1737</p>	<p><b>YKE</b> YOGI KWONG ENGINEERS, LLC 677 Ala Moana Blvd., Suite 710 Honolulu, HI 96813 Tel: (808) 942-0001 <i>www.yogikwong.com</i> Geotechnical Engineering Trenchless Engineering Construction Management</p>

HAWAII COUNCIL OF  
ENGINEERING SOCIETIES  
P.O. Box 2873  
Honolulu, Hawaii 96802

RETURN SERVICE REQUESTED

# Professional Directory

 <p><b>1001 Bishop Street, Suite 1600</b> Honolulu, HI 96813 tel: 808.521.3051 www.aecom.com</p>	 <p><b>CAD/CAE Service</b> For: Manufacturing Product Testing Failure Analysis Researching HonoSiMu, LLC honosimu.com info@honosimu.com</p>	<p><b>Austin Tsutsumi &amp; Associates, Inc.</b> Civil   Traffic   Environmental   Surveying Branch Offices in Wailuku, Maui and Hilo, Hawaii www.atahawaii.com</p>	<p><b>YOUR AD COULD APPEAR HERE FOR \$235 A YEAR</b></p>
 <p>Tel: 808.792.2022 Fax: 808.792.2033 1124 Fort Street Mall Suite 200 Honolulu, HI 96813 info@BillsEngineering.com</p>	 <p><b>BOWERS + KUBOTA CONSULTING</b> • Project Management • Planning • • Architectural/Engineering Design • Construction Management • 94-408 Akoko Street, Suite 201-A • Waipahu, Hawaii 96797 Phone: 808.836.7787 • Telefax: 808.834.4833</p>	 <p><b>Brown AND Caldwell</b> Environmental Engineers &amp; Consultants Maui - Honolulu brownandcaldwell.com</p>	 <p><b>COFFMAN ENGINEERS</b> www.coffman.com</p>
 <p>Oahu: 615 Piikoi Street, Suite 700 Honolulu, Hawaii 96814 Ph: (808) 591-2022, Fax: (808) 591-8333 Email: surveying@cpshawaii.net Maui: 1129 Lower Main Street, Suite 102 Wailuku, Hawaii 96793 Ph: (808) 242-9641 Email: cpsmaui@cpshawaii.net</p>	<p><b>When it's RUST</b> Call us (808) 676-1963 www.corrosioncops.com</p>	<p><b>Y. Ebisu &amp; Associates</b> Acoustical and Electronic Engineers 1126 12th Avenue, Room 305 Honolulu, Hawaii 96816 (808) 735-1634</p>	 <p><b>CUMMING</b> Building Value Through Expertise Cost + Project Management 808-947-4525 ccorpusa.com</p>
 <p>Civil/Environmental/Sanitary Engineers 1150 South King Street, Suite 700 • Honolulu, Hawaii 96814 Phone: (808) 591-8820 • Fax: (808) 591-9010 Email: cci@ecihawaii.com</p>	 <p>1320 N SCHOOL ST., STE 1 HONOLULU, HAWAII 96817 Phone: 591-8116 ENGINEERS-SURVEYORS HAWAII, INC. (FORMERLY WILLIAM HEE &amp; ASSOCIATES, INC.)</p>	 <p><b>MASA FUJIOKA &amp; ASSOCIATES</b> GEOTECHNICAL ENVIRONMENTAL HYDROGEOLOGICAL CONSULTANTS (808) 484-5366 www.masafujioka.com</p>	 <p><b>FUKUNAGA &amp; ASSOCIATES, INC.</b> CONSULTING ENGINEERS WWW.FUKUNAGAENGINEERS.COM CELEBRATING OUR 50TH ANNIVERSARY</p>
 <p>Geotechnical Engineering and Drilling Services 2006 Kalihii Street Honolulu, Hawaii 96819 Phone: 841-5064 Fax: 847-1749</p>	<p>Gray-Hong-Nojima &amp; Associates, Inc. CONSULTING ENGINEERS 201 Merchant Street, Suite 1900 Honolulu, Hawaii 96813 Telephone: (808) 521-0306 Fax: (808) 531-8018 email@grayhongnojima.com www.grayhongnojima.com</p>	 <p>7 Waterford Plaza 500 Ala Moana Boulevard, Suite 240 Honolulu, HI 96813 808.507.7747 janice.marsters@hartcrowser.com www.hartcrowser.com</p>	 <p>94-025 Farrington Hwy, Waipahu, Hawaii 96797 808/676-0205 HAWTHORNE POWER SYSTEMS CAT</p>
 <p>ROCK SOLID SINCE 1908 www.hcdhawaii.com • sales@hcdhawaii.com</p>	 <p>Honolulu 808.697.6200 Wailuku 808.359.2518 Hilo 808.202.6528 hdrinc.com</p>	 <p><b>HIDA, OKAMOTO &amp; ASSOCIATES, INC.</b> CONSULTING CIVIL ENGINEERS PACIFIC GUARDIAN TOWER 1440 Kapiolani Boulevard, Suite 1120 Honolulu, Hawaii 96814 Phone: (808) 942-0066 Fax: (808) 947-7546</p>	 <p>Hirata &amp; Associates, Inc. Geotechnical Engineering 808.486.0787 www.hirata-hawaii.com</p>
 <p><b>SAM O. HIROTA, INC.</b> Engineers &amp; Surveyors 864 S. Beretania Street Honolulu, Hawaii 96813 Telephone: 537-9971</p>	<p><b>ISLAND GEOTECHNICAL ENGINEERING, INC.</b> Geotechnical Consultants 330 Ohukai Road, Suite 119 Kihai, Hawaii 96753 Phone: (808) 875-7355 Fax: (808) 875-7122 Email: ige@igehawaii.com</p>	<p><b>Kennedy/Jenks Consultants</b> Engineers &amp; Scientists The BLOCK Honolulu 707 Richards Street   Suite 528 Honolulu   Hawaii   96813 P: 808.218.6030   F: 808.488.3776 Direct: 808.218.6042</p>	 <p><b>THE LIMTIACO CONSULTING GROUP</b> CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS 1622 Kananani Street • Honolulu, Hawaii 96817 (808) 596-7790 • tighawaii.com</p>
<p><b>MCE INTERNATIONAL, INC.</b> MECHANICAL CONSULTING ENGINEERS 1360 S. Beretania Street, Suite 400, Honolulu, HI 96814 Phone: (808) 941-0955 Fax: (808) 550-8167 E-mail: mcehnl@mceinternational.com Website: www.mceinternational.com</p>	<p>Creative People. Practical Solutions.® moffatt &amp; nichol Marine &amp; Transportation Planners and Engineers 808.533.7000 www.moffatfnichol.com</p>	<p><b>NAGAMINE OKAWA ENGINEERS INC.</b> CONSULTING STRUCTURAL ENGINEERS 1003 Bishop Street • Suite 2025 Honolulu, Hawaii 96813 Phone: (808) 536-2626 • FAX: (808) 536-3926</p>	 <p><b>Okahara and Associates, Inc.</b> ENGINEERING CONSULTANTS Civil - Mechanical Engineers Hilo: (808) 961-5527 • hilo@okahara.com Oahu: (808) 524-1224 • oahu@okahara.com www.okahara.com Small Business and Certified HUBZone</p>
 <p>www.oceanit.com</p>	 <p><b>Pacific Geotechnical Engineers, Inc.</b> Soils &amp; Foundation Engineering Consultants 94-417 Akoko Street Waipahu, Hawaii 96797 (808) 678-8024 FAX (808) 678-8722 E-mail: pge@pacificgeotechnical.com</p>	 <p>SUITE 1500, PACIFIC PARK PLAZA 711 KAPOLANI BOULEVARD HONOLULU, HAWAII 96813 TELEPHONE: (808) 593-1676 FAX: (808) 593-1607 EMAIL: paren@pareninc.com dba park engineering Engineers, Surveyors, Planners</p>	 <p><b>Sato &amp; Associates, Inc.</b> Consulting Engineers Honolulu • Maui www.satoandassociates.com</p>